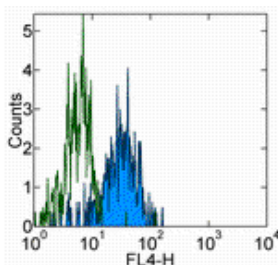


Anti-Human CD282 (TLR2) Alexa Fluor® 700

Catalog Number: 56-9922

Also Known As: toll-like receptor 2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or Anti-Human CD282 (TLR2) Alexa Fluor® 700 (filled histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD282 (TLR2) Alexa Fluor® 700

REF **Catalog Number:** 56-9922

Clone: TL2.1

Concentration: 5 µL (1.0 µg)/test

Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The TL2.1 monoclonal antibody reacts with human Toll-like receptor 2 (TLR2). To date, at least ten members of the Toll family have been identified in human. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic domain with homology to the type I IL-1 receptor. Two of these receptors, TLR2 and TLR4, are pattern recognition receptors and signaling molecules in response to bacterial lipoproteins and have been implicated in innate immunity and inflammation. TLR2 is expressed by peripheral blood monocytes and is responsible for distinguishing different pathogens. TL2.1, a blocking antibody, has been used to study the role of TLR-2 as a pattern recognition receptor in microbial lipoprotein/lipopeptide induced cytokine production from human peripheral blood mononuclear cells. TL2.1 has been reported to immunoprecipitate human TLR2 (~90 kDa) from PBMC and HMEC.

Applications Reported

This TL2.1 antibody has been reported for use in flow cytometric analysis.

The Alexa Fluor® 700 emits at 723 nm and can be excited with the He-Ne 633 laser. Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Applications Tested

This TL2.1 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µL (1.0 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

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Related Products

14-8185 B18R Recombinant Protein

16-9024 Anti-Human/Mouse CD282 (TLR2) Functional Grade Purified (T2.5)

56-4724 Mouse IgG2a K Isotype Control Alexa Fluor® 700

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